

In the Claims:

At the top of Page 6, just prior to Claim 1, delete the term "Claims" and insert a new paragraph of one sentence -- The invention claimed is: --.

Please amend the following Claims 4, 5, 7, and 8:

4. (Amended) An ion mobility spectrometer in accordance with Claim 1 in which at least one further dopant source is used in addition to the combined dopant source and means for drying and cleaning of the circulating gases/vapours.
5. (Amended) An ion mobility spectrometer system in accordance with Claim 1 in which the dopant material is ammonium carbamate, and the molecular sieve material is 13X pore size material.
7. (Amended) An ion mobility spectrometer system in accordance with Claim 5 in which the combined dopant and molecular sieve material is produced by heating the dopant material and the molecular sieve material together in a sealed vessel.
8. (Amended) An ion mobility spectrometer in accordance with Claim 5 in which the combined dopant and molecular sieve material is produced by passing a dry inert gas stream containing the dopant material at a fixed level over the molecular sieve material, whereby the molecular sieve material absorbs the dopant material.

Please add the following new Claims 14 and 15:

- 14. An ion mobility spectrometer system in accordance with Claim 6 in which the combined dopant and molecular sieve material is produced by heating the dopant material and the molecular sieve material together in a sealed vessel.
15. An ion mobility spectrometer in accordance with Claim 6 in which the combined dopant and molecular sieve material is produced by passing a dry inert gas stream containing the dopant material at a fixed level over the molecular sieve material, whereby the molecular sieve material absorbs the dopant material.--

**REMARKS**

Applicant respectfully requests that this Amendment be entered and examined. The Headings have been added to conform the Application to United States format.